

Title (en)  
FLUORINE-CONTAINING COMPOUND AND FLUORINE-CONTAINING POLYMER

Title (de)  
FLUORHALTIGE VERBINDUNG UND FLUORHALTIGES POLYMER

Title (fr)  
COMPOSÉ FLUORÉ ET POLYMÈRE FLUORÉ

Publication  
**EP 2128150 A1 20091202 (EN)**

Application  
**EP 07832707 A 20071128**

Priority  
• JP 2007072985 W 20071128  
• JP 2006343518 A 20061220

Abstract (en)  
The present invention is to provide a novel fluorinated compound which can produce a fluorinated polymer which has high transparency, good heat resistance and adequate flexibility, and a fluorinated polymer containing repeating units based on the fluorinated compound. The present invention relates to a fluorinated compound represented by the formula (1): wherein Q F is -CF<sub>2</sub> -, -CF<sub>2</sub>CF<sub>2</sub> -, -CF<sub>2</sub>CF<sub>2</sub>CF<sub>2</sub> -, -CF(CF<sub>3</sub>)CF<sub>2</sub> -, -CF<sub>2</sub>CF(CF<sub>3</sub>) - or -CF<sub>2</sub>CF<sub>2</sub>CF<sub>2</sub>CF<sub>2</sub> -, R F is -CF<sub>3</sub> , -CF<sub>2</sub>CF<sub>3</sub> , -CF<sub>2</sub>CF<sub>2</sub>CF<sub>3</sub> , -CF(CF<sub>3</sub>)<sub>2</sub> , -CF<sub>2</sub>CF<sub>2</sub>CF<sub>2</sub>CF<sub>3</sub> , -CF<sub>2</sub>CF(CF<sub>3</sub>)<sub>2</sub> , -CF(CF<sub>3</sub>)CF<sub>2</sub>CF<sub>3</sub> , -(CF<sub>2</sub>)<sub>4</sub>CF<sub>3</sub> or -(CF<sub>2</sub>)<sub>5</sub>CF<sub>3</sub> , and n is an integer of from 1 to 4, and a fluorinated polymer containing repeating units based on the fluorinated compound.

IPC 8 full level  
**C07D 317/42** (2006.01); **C08F 16/38** (2006.01)

CPC (source: EP US)  
**C07D 317/42** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008075545A1

Cited by  
EP3858873A4; US11807702B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2128150 A1 20091202**; JP 4968263 B2 20120704; JP WO2008075545 A1 20100408; TW 200846334 A 20081201; US 2009292093 A1 20091126; WO 2008075545 A1 20080626

DOCDB simple family (application)  
**EP 07832707 A 20071128**; JP 2007072985 W 20071128; JP 2008550081 A 20071128; TW 96145394 A 20071129; US 48865409 A 20090622